



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
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D4034-3

Job Sheet 194814



Part No: D4034-3

Job Qty: 10 pcs

Part Name: Rib



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 5/8/19

Job Tracking No:

Due Date: 6/26/19

Created By: Marie Lajeunesse

Type: Stock

Description:

**Note:** DWG REV C SHEET 3 IPP RevA: new issue DD 09.11.23 verified by:EC IPP Rev:B as per dwg revA 10.03.15  
verified by:EC IPP Rev:C 11.01.18 chg qc5 to 6 DD verf:EC IPP Rev:D 11.01.19 AS PER DWG REV.B DD  
VERF:EC

Ship Via:

## Bill of Materials

## Job Routing

| Op No | Operation                   | Qty    | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off                      |
|-------|-----------------------------|--------|------------|----------|-----------|---------|-----------------------|-----------|-------------------------------|
|       |                             |        |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |                               |
| 100   | Large Fab - Basket - 1      | 10 pcs | 6/26/19    |          | 0.00      | 2.50    | Large Fab - 1         |           | MAR                           |
|       |                             |        |            |          |           |         | Large Fab - 10        |           |                               |
|       |                             |        |            |          |           |         | Large Fab - 2         |           |                               |
|       |                             |        |            |          |           |         | Large Fab - 3         |           |                               |
|       |                             |        |            |          |           |         | Large Fab - 4         |           |                               |
|       |                             |        |            |          |           |         | Large Fab - 5         |           |                               |
|       |                             |        |            |          |           |         | Large Fab - 6         |           |                               |
|       |                             |        |            |          |           |         | Large Fab - 7         |           |                               |
|       |                             |        |            |          |           |         | Large Fab - 8         |           |                               |
| 110   | QC 5                        | 10 pcs | 6/26/19    |          | 0.00      | 0.00    | Large Fab - 9         |           | DAS<br>MAY 22 2019 40<br>9-89 |
|       |                             |        |            |          |           |         | QC 5 - 10             |           |                               |
|       |                             |        |            |          |           |         | QC 5 - 12             |           |                               |
|       |                             |        |            |          |           |         | QC 5 - 17             |           |                               |
|       |                             |        |            |          |           |         | QC 5 - 18             |           |                               |
|       |                             |        |            |          |           |         | QC 5 - 19             |           |                               |
|       |                             |        |            |          |           |         | QC 5 - 22             |           |                               |
|       |                             |        |            |          |           |         | QC 5 - 24             |           |                               |
|       |                             |        |            |          |           |         | QC 5 - 3              |           |                               |
|       |                             |        |            |          |           |         | QC 5 - 43             |           |                               |
|       |                             |        |            |          |           |         | QC 5 - 49             |           |                               |
|       |                             |        |            |          |           |         | QC 5 - 51             |           |                               |
|       |                             |        |            |          |           |         | QC 5 - 58             |           |                               |
|       |                             |        |            |          |           |         | QC 5 - 68             |           |                               |
|       |                             |        |            |          |           |         | QC 5 - 9              |           |                               |
|       |                             |        |            |          |           |         | QC 5 - 50             |           |                               |
|       |                             |        |            |          |           |         | QC 5 - 30             |           |                               |
|       |                             |        |            |          |           |         | QC 5 - 40             |           |                               |
| 120   | Packaging 3-1 - Stock - B4B | 10 pcs | 6/26/19    |          | 0.00      | 0.00    | Packaging 3 - 1 - B4B |           |                               |
|       |                             |        |            |          |           |         | Packaging 3 - 2 - B4B |           |                               |
|       |                             |        |            |          |           |         | Packaging 3 - 3 - B4B |           |                               |

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|                |        |         |           |                        |      |
|----------------|--------|---------|-----------|------------------------|------|
|                |        |         |           | Packaging 3 - 4 - B4B  |      |
|                |        |         |           | Packaging 3 - 5 - B4B  |      |
|                |        |         |           | Packaging 3 - 6 - B4B  |      |
|                |        |         |           | Packaging 3 - 7 - B4B  |      |
|                |        |         |           | Packaging 3 - 8 - B4B  |      |
|                |        |         |           | Packaging 3 - 9 - B4B  |      |
|                |        |         |           | Packaging 3 - 10 - B4B |      |
|                |        |         |           | Packaging 3 - 11 - B4B | MAC  |
|                |        |         |           | Packaging 3 - 12 - B4B |      |
|                |        |         |           | Packaging 3 - 13 - B4B |      |
|                |        |         |           | Packaging 3 - 14 - B4B |      |
|                |        |         |           | Packaging 3 - 15 - B4B |      |
|                |        |         |           | Packaging 3 - 16 - B4B |      |
|                |        |         |           | Packaging 3 - 17 - B4B |      |
|                |        |         |           | Packaging 3 - 18 - B4B |      |
|                |        |         |           | Packaging 3 - 19 - B4B |      |
|                |        |         |           | Packaging 3 - 20 - B4B |      |
|                |        |         |           | Packaging 3 - 21 - B4B |      |
|                |        |         |           | Packaging 3 - 22 - B4B |      |
|                |        |         |           | Packaging 3 - 23 - B4B |      |
|                |        |         |           | Packaging 3 - 24 - B4B |      |
|                |        |         |           | Packaging 3 - 25 - B4B |      |
|                |        |         |           | Packaging 3 - 26 - B4B |      |
|                |        |         |           | Packaging 3 - 27 - B4B |      |
|                |        |         |           | Packaging 3 - 28 - B4B |      |
|                |        |         |           | Packaging 3 - 29 - B4B |      |
|                |        |         |           | Packaging 3 - 30 - B4B |      |
|                |        |         |           | Packaging 3 - 31 - B4B |      |
|                |        |         |           | Packaging 3 - 32 - B4B |      |
|                |        |         |           | Packaging 3 - 33 - B4B |      |
|                |        |         |           | Packaging 3 - 34 - B4B |      |
|                |        |         |           | Packaging 3 - 35 - B4B |      |
|                |        |         |           | Packaging 3 - 36 - B4B |      |
| 130 QC 21 - SA | 10 pcs | 6/26/19 | 0.00 0.00 | QC 21 - SA - 21        | DAS  |
|                |        |         |           | QC 21 - SA - 70        | 21   |
|                |        |         |           | QC 21 - SA - 53        | 9-89 |

MAY 23 2019

Part Op 100 - Fabricate per Drwg - 1- Cut tube as per dwg D4034 2- Drill and chamfer holes as per dwg use DT9715  
 Descriptions: 110 - QC5- Inspect part completeness to step on W/O --LOCATION: WA004  
 120 - Identify as per dwg & Stock Location: \_\_\_\_\_  
 130 - (QC21- Final Inspection - Work Order Release

## Job BOM

| Part / Item      | Component Name            | Quantity               | Operation                  | Container |
|------------------|---------------------------|------------------------|----------------------------|-----------|
| M304TS0.750W.049 | 304 Sq Tube .75X.75X.049W | 14.3750 ft (1.4375 ea) | 100-Large Fab - Basket - 1 | 5177779   |

## Job Allocations

| Operation                  | Component Part   | Required | Inventory | Allocated |
|----------------------------|------------------|----------|-----------|-----------|
| 100-Large Fab - Basket - 1 | M304TS0.750W.049 | 14       | 255       | 0         |



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 CANADA  
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 Email: sales@dartaero.com  
 www.dartaerospace.com

Container No: S182855



Part: D4034-3

Job No: 194314

Serial No/Batch: S182855

Revision:

Inspector:

Exp Date:

Instructions: Various QC's

Date: 05/22/19

found.

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Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                     |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                     |  |
| Date : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Sequence #: _____                                                                                                                 | QTY Affected : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | MRB (QSI042)        |  |
| <b>Description Work Order Deviation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                   | <b>Disposition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | <b>Completed By</b> |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                     |  |
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| <b>Root Cause</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Operator <input type="checkbox"/><br/>           Manufacturing Process <input type="checkbox"/><br/>           Equip/Tooling <input type="checkbox"/><br/>           Handling/Presservation <input type="checkbox"/><br/>           Material <input type="checkbox"/><br/>           Product Improvement <input type="checkbox"/><br/>           Process Improvement <input type="checkbox"/><br/>           Human Factors <input type="checkbox"/> </div> <div> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> <div> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> <div> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |  |                     |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                     |  |